

Table S1. Three-way ANOVA for the effects of endophyte (E), nitrogen concentration (N) and phosphorus concentration (P) on germination rate (%), germination potential (%), germination index and radicle length of *Hordeum brevisubulatum*. N×P: interaction of N and P, N×E: interaction of N and *Epichloë bromicola* ; P×E: interaction of P and *E. bromicola*; N×P×E: interaction of N, P and *E. bromicola*.

| Treatments | dF | Germination rate | | Germination potential | | Germination index | | Radicle length | |
|------------|----|------------------|-------|-----------------------|--------|-------------------|--------|----------------|--------|
| | | F | P | F | P | F | P | F | P |
| N | 2 | 5.766 | 0.007 | 35.081 | <0.001 | 47.708 | <0.001 | 77.757 | <0.001 |
| P | 2 | 1.255 | 0.297 | 0.864 | 0.430 | 0.043 | 0.958 | 0.039* | 0.962 |
| E | 1 | 3.457 | 0.071 | 16.329 | <0.001 | 20.245 | <0.001 | 10.085 | 0.002 |
| N×P | 4 | 1.800 | 0.150 | 1.118 | 0.363 | 2.404 | 0.068 | 35.07 | <0.001 |
| N×E | 2 | 2.313 | 0.113 | 5.771 | 0.007 | 4.084 | 0.025 | 14.281 | <0.001 |
| P×E | 2 | 1.644 | 0.207 | 3.688 | 0.035 | 2.971 | 0.064 | 6.056 | 0.002 |
| N×P×E | 4 | 2.103 | 0.101 | 2.372 | 0.071 | 1.447 | 0.239 | 5.957 | <0.001 |